

## A100T-101/2/3/4 PACKAGE CONTENTS

- UFM™ AVIATION HEADSET ADAPTER
- CLOTHING CLIP
- REPLACEMENT WINDSCREEN
- 3.5MM MINI-STEREO CORD
- 1.7MM JEWELER'S SCREWDRIVER

The UFM™ Aviation Headset Adapter converts BOSE® QuietComfort2™ (QC-2) or QuietComfort15™ (QC-15) headphones into a full Active Noise Reduction (ANR) aviation headset. The Adapter simply plugs into the existing QC-2/15 3.5mm mini-stereo jack (without modification). The combination provides a very high quality, lightweight and complete 2-way mono or stereo aviation headset compatible with most general aviation and commercial aircraft.

For commercial pilots who are required by their air carrier to use TSO compliant headsets, there are special requirements to meet TSO-C139 ANR standards. See "TSO Requirements" in the TSO User Guide Supplement for details.

## GENERAL DESCRIPTION

## FEATURES

**Noise Canceling Microphone:** The single most advanced boom microphone on the market, used by SWAT teams and motorcycle police. Provides clear communications in the high noise environment of aircraft cockpits.

**Aviation Cord Set:** Available in PJ-055/PJ-068, XLR-5, U-174/U & LEMO plug configurations.

### Auxiliary Audio Input/Output Jack:

Input: stereo audio IN from media device.

Output: audio OUT from aircraft comm panel/radios, if required to meet TSO requirements.

**Mono/Stereo Switch:** Provides compatibility for either mono or stereo comm panels. Note: "o" switch position for mono, "oo" for stereo panels.

Note: Not applicable for XLR-5, U-174/U & LEMO cordsets.

## LIMITED WARRANTY

The UFlyMike Adapter is guaranteed to be free of factory defects for one year. The decision to repair or provide a replacement will be at the discretion of the UFlyMike LLC. Warranty does not include normal wear & tear or abuse. Warranty on the headphones and earbud are provided by their respective manufacturers.

## CONTACT

**Hours: M-F 10am-4pm MST**

**Mailing Address:**

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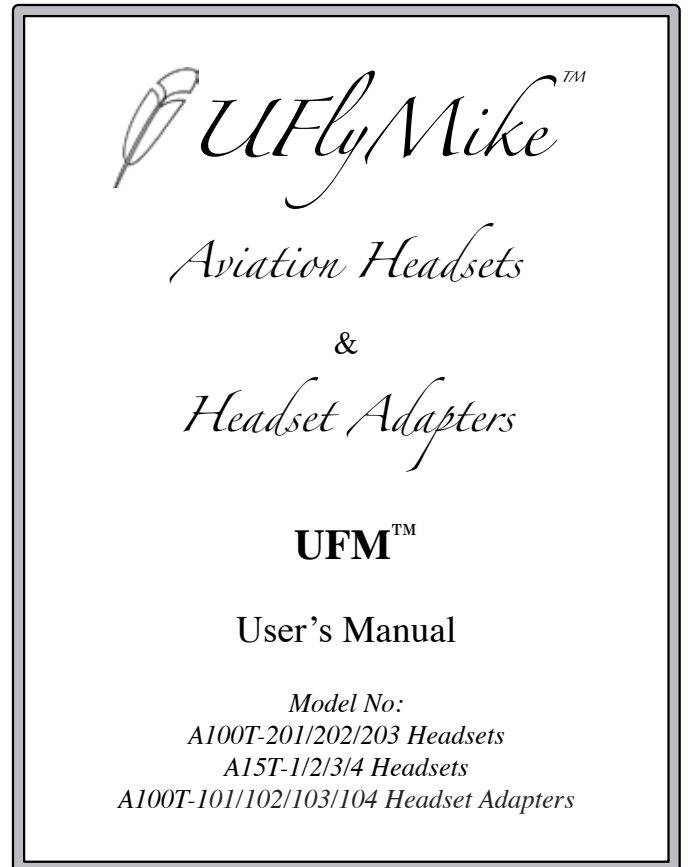
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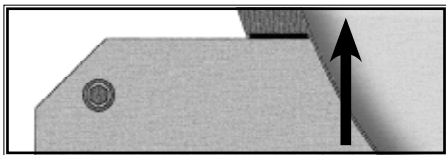
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## OPERATION

### Plugging the UFM into the QuietComfort (QC)<sup>™</sup>

Hold UFM by housing and gently slide plug into QC jack. Adapter should click firmly into place flush with earpiece. Do not force adapter into place as this may damage the UFM or QC.



### Using the Noise Canceling Microphone

For best performance, place the microphone approximately 1/4" (6 mm) in front of the mouth.

### Using the Auxiliary Audio Input/Output Jack

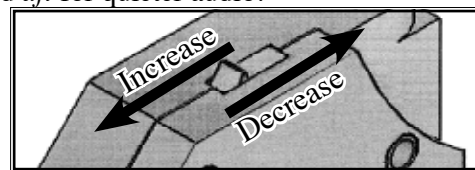
Input (non-TSO use): Plug any stereo audio device into jack at adapter base using a 3.5mm Mini-Stereo Cord.

Output: (TSO use): Plug earbuds into same jack.

Note: the volume of the audio input into this jack is controlled at the device.

**CAUTION:** Do not use auxiliary audio input feature if it interferes with ATC communications.

Using the Volume (Impedance) Switch: The UFM comes with a three position volume switch located on top of the microphone housing. *Forward* for louder audio and *aft* for quieter audio.



Using the Mono/Stereo Switch: The Mono/Stereo switch is located in the cord set. Place the switch in the one dot "o" position for *mono* comm panels, two dots "oo" for *stereo* panels.

Using Earbuds (for TSO Compliance): For TSO compliance, the auxiliary audio jack provide required backup audio output. Simply plug earbud into the auxiliary audio jack and place the earbuds in the ear or inside the ear cup of the QC.

Disconnecting the UFM: Disconnect the UFM from the QC and aircraft by gripping the housings and pulling away gently.

*Never disconnect the UFM from the QC or the aircraft by pulling on the cord.*

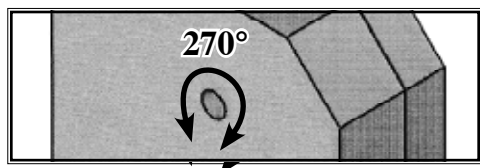
## ADVANCED

### Adjusting Microphone Sensitivity

The sensitivity of the microphone is pre-set to fit most applications. However, the mic can be adjusted using the 1.7mm jeweler's screwdriver through the opening on the back of the housing. BE CAREFUL that screwdriver FULLY ENGAGES SLOT in mic pot THEN and ONLY THEN TURN GENTLY.

Adjust microphone sensitivity for clearest transmissions, best sidetone, eliminate aircraft noise or microphone hiss, or for proper keying of voice activated (vox) transmissions

Turn mic pot clockwise to increase sensitivity, counter clockwise to decrease sensitivity.



**CAUTION:** The mic sensitivity adjustment is only designed to turn 270°. Turning the adjustment past the internal stops may cause the microphone to cease functioning.

### Specifications

#### Microphone

Type: *Electret Condenser*

Direction: *Omnidirectional Noise Canceling*

Sensitivity: *-56dB at 300Hz to 6kHz  
±7% @94dB*

#### Headphones & Earbuds

See appropriate manufacturer documentation.

#### General

Cord Length: *6 ft (180cm)*

Weight: *3.7oz (105g)*

*7.5oz (212g) w/QC-2/15*

## OPERATING CAPABILITY & LIMITATIONS

Bose "QC" series headphones rely on battery power to operate. Battery status is indicated by a light on the headphones. See Bose documentation for details. Battery failure results in all audio being lost in the headphones unless using earbuds.

The UFM microphone is powered by the aircraft communications panel. In case of headphone battery failure, transmit abilities are maintained.